### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

## (19) World Intellectual Property Organization International Bureau

au AIPO



(43) International Publication Date 6 May 2004 (06.05.2004)

**PCT** 

# (10) International Publication Number WO 2004/037737 A1

- (51) International Patent Classification<sup>7</sup>: C03C 17/00, 17/36, B32B 17/10, B60J 1/02, H05B 3/86
- (21) International Application Number:

PCT/EP2003/050745

- (22) International Filing Date: 22 October 2003 (22.10.2003)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 02079430.1

22 October 2002 (22.10.2002) E

- (71) Applicant (for all designated States except US): GLAVERBEL [BE/BE]; Glaverbel, Chaussée de La Hulpe, 166, B-1170 Bruxelles (BE).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): ROQUINY, Philippe [BE/BE]; Glaverbel Centre R & D, Rue de l'Aurore, 2, B-6040 Jumet (BE).

- (74) Agents: LE VAGUERESE, Sylvian et al.; Glaverbel -Centre R & D, Department Intellectual Property, Rue de l'Aurore, 2, B-6040 Jumet (BE).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).

### Declaration under Rule 4.17:

of inventorship (Rule 4.17(iv)) for US only

#### Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ELECTRICALLY HEATABLE SOLAR REFLECTIVE COATED GLAZING WITH WINDOWS IN COATING CON-

FIGURED, SHAPED AND DIMENSIONED IN SUCH A WAY AS TO MINIMISE INHOMOGENEOUS HEATING

(57) Abstract: A vehicle glazing panel having an electrically heatable radiationreflective coating layer, at least two bus bars adapted to relay electrical power to the coating layer and at least a window, in the coating layer, permeable to electromagnetic radiations, which, when submitted to a power of 1000 W/m2 during 4 minutes, presents in a portion of the glazing panel delimited by the bus bars and not including the bus bars tips and their close periphery, a maximum temperature and a minimum temperature, such that the difference between the maximum temperature of the glazing panel with the window and the maximum temperature of the same glazing panel without window does not exceed 25 °C. This may be used to minimise perturbations to the heating of the glazing caused by the presence of the window permeable to electromagnetic radiations and/or provide more even heating over the entire windscreen.

